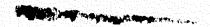
CENTER FOR DRUG EVALUATION AND RESEARCH

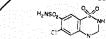
APPLICATION NUMBER:83972

PRINTED LABELING



HYDROCHLOROTHIAZIDE TABLETS

DESCRIPTION: Hydrochlorothiaside is a divretic and antihypertensive. Hydrochlorothiaside is the 3,4-dihydro derivative of Chlorothiaside. Its chemical name is 6-chloro-3,4-dihydro-2H-1,2,4—benzoth adiazine-7-sulfonamide 1,1-Dioxide. Its chemical structure is



Hydrochlorothiozdd is a white, or practically white, crystalline powder slightly soluble in water, but freely soluble in Sodium Hydroxide Solution.

ACTIONS: The mechanism of action results in an interference with the renal tubular approximately equal in their diuretic potency. The mechanism whereby thiazides are in the control of hypertension is unknown.

INDICATIONS: Hydrochlorothiazide is indicated as adjunctive therapy in edema associated with congestive heart failure, hepatic cirrhosis and corticosteroid and estrogen

Hydrochlorothiazide has also been found useful in edema due to various forms of renal

Nephrotic syndrome

Acute glomerulonephritis; and Chronic renal failure.

Hydrochlorothiazide is indicated in severe edema when due to pregnancy. (See "Contraindications" and "Warnings" below).

Diuretics are indicated in the management of hypertension either as the sole therapeutic agent or to enhance the effect of other anti-hypertensive drugs in the more severe forms of hypertension and in the control of hypertension of pregnancy. The drug is also indicated in toxemia of pregnancy (eclampsia); anging due to congestive heart failure and/or hypertension; and "drug induced" edema.

CONTRAINDICATIONS: Anuria

Hypersensitivity to this or other sulfonamide derived drugs.

The routine use of diuretics in an otherwise healthy pregnant woman with or without mild edema is contraindicated and possibly hazardous.

WARNINGS: Should be used with caution in severe renal disease. In patients with renal disease, Hydrachlorathiazide may precipitate azatemia. Cumulative effects of the drug may develop in patients with impaired renal function.

Hydrochlorothiazide should be used with caution in patients with impaired hepatic function or progressive liver disease, since minor alteration of fluid and electrolyte balance

Hydrochlorothiazide may be additive or potentiative of the action of other anti-hyper-tensive drugs. Potentiation occurs with ganglionic or peripheral adrenergic blocking drugs. Sensitivity reactions may occur in patients with a history of allergy or bronchial

The possibility of exacerbation or activation of systemic lupus erythematosus has been

USAGE IN PREGNANCY: Usage of Hydrochlorothiazide in women of childbearing age requires that the potential benefits of the drug be weighed against its possible hazards to the fetus. These hazards include fetal or neonatal jaundice, thrombocytopenia, and possibly other adverse reactions which have occurred in the adult.

NURSING MOTHERS: Hydrochlorothiazide crosses the placental barrier and appears in cord blood and breast milk.

PRECAUTIONS: Periodic determination of serum electrolytes to detect possible electrolyte

imbalance should be performed at appropriate intervals.

All patients receiving Hydrochlorothiazide therapy should be observed for clinical signs of fluid or electrolyte imbalance; namely, hyponatremia, hypochloremic alkalosis, and hypokalemia. Serum and urine electrolyte determinations are particularly important when the patient is vomitting excessively or receiving parenteral fluids. Medication such as Dryness of mouth, thirst, weakness, letheargy, drowsiness, restlessness, muscular fatigue, hypotension, oliguria, tachycardia, and gastrointestinal disturb-Hypokalemia may develop with Hydrochlorothiazide as with can other patients.

Hypokalemia may develop with Hydrochlorethiazide as with any other potent diuretic, especially with brisk diuresis, when severe cirrhosis is present, or during concomitant use

Interference with adequate oral electrolyte intoke will also contribute to hypokalemia. Digitalis therapy may exaggerate metabolic effects of hypokalemia especially with reference to myocardial activity.

erence to myocardial activity.

Any chloride deficit is generally mild and usually does not require specific treatment except under extraordinary circumstances (as in liver disease or renal disease). Dilustrianal hyponatremia may occur in edematous patients in hot weather; appropriate therapy is water restriction, rather than administration of salt except in rare instances when the hyponatremia is life threatening. In actual salt depletion, appropriate replacement is the therapy of choice.



Hyperuricemia may occur or frank gout may be precipitated in certain patients receiving Hydrochlorothiazide therapy.

Insulin requirements in diabetic patients may be increased, decreased, or unchanged, Latent diabetes mellitus may become manifest during Hydrochlorathiazide administration. Hydrochlorathiazide may increase the responsiveness to tubocurarine.

The antihypertensive effects of the drug may be enhanced in the postsympathectomy

Hydrochlorothiazide may decrease arterial responsiveness to norepinephrine. This diminu-tion is not sufficient to preclude effectiveness of the pressor agent for therapeutic use. If progressive renal impairment becomes evident, as indicated by a rising nonprotein nitrogen or blood urea nitrogen, a careful reappraisal of therapy is necessary with con-sideration given to withholding or discontinuing diuretic therapy.

Hydrochlorothiazide may decrease serum PBI levels without signs of thyroid disturbance.

ADVERSE REACTIONS

A. Gastrointestinal System Reactions

- 1. anorexia
 2. gastric irritation
- 2. 3. 4. 5. nausea vomiting cramping
- diamhea
- **B.** Central Nervous System Reactions
- dizziness
- vertigo
- parasthesias

- 4. headache

7. constinution

pancreatitis

8. jaundice (intrahepatic cholestatic jaundice)

- 5. xanthopsia
- C. Hematologic Reactions
- leukopenia
 agranulocytosis

- 3. thrombocytopenia
 4. aplastic anemia aplastic anemic
- D. Dermatologic Hypersensitivity Reactions
- purpura photosensitivity
- rash
- 5. necrotizing anglitis (vasculitis) (cutaneous vasculitis)

- urticaria
- E. Cardiovascular Reaction

Orthostatic hypotension may occur and may be aggravated by alcohol, barbiturates or narcotics.

- F. Other
- 1. hyperglycemia

muscle spasm

glycosuria
 hyperuricemia

weakness restlessness

Whenever adverse reactions are moderate or severe, Hydrochlorothiazide dosage should be reduced or therapy withdrawn,

DOSAGE AND ADMINISTRATION: Therapy should be indivdualized according to patient response. Use the smallest dosage necessary to achieve the required response.

ADULTS

For Diuresis: The usual adult dosage is 50 to 100 mg, once or twice a day. Many patients with edema respond to intermittent therapy, i.e. administration on alternate days or on three to five days each week. With an intermittent schedule, excessive response and the resulting undesirable electrolyte imbalance are less likely to occur.

In edema and toxemia of pregnancy, the recommended dosage is 100 mg. daily or, in severe cases and for brief periods, 200 mg. daily (in divided doses). Frequency of use may range from once every four days to daily.

For Control of Hypertension: The usual adult starting dose is 50 mg, twice daily. Dosage is increased or decreased according to the blood pressure response of the patient. Some patients may require 200 mg, daily in divided doses.

Careful observations for changes in blood pressure must be made when this compound is used with other antihypertensive drugs, especially during initial therapy. The dosage of other agents must be reduced by at least 50 per cent as soon as it is added to the regimen to prevent excessive drop in blood pressure. As the blood pressure falls under the potentiating effect of this agent, a further reduction in dosage, or even discontinuation of other antihypertensive drugs may be necessary.

INFANTS AND CHILDREN

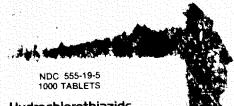
The usual pediatric dosage is based on 1.0 mg. of Hydrochlorothiazide per pound of body weight per day in two doses. Infants under 6 months of age may require up to 1.5 mg. per pound per day in two doses.

On this basis, infants up to 2 years of age may be given 12.5 to 37.5 mg. daily in two doses. Children from 2 to 12 years of age may be given 37.5 to 100 mg. daily in two doses. Dosage in both age groups should be based on body weight.

HOW SUPPLIED: Each peach-colored scored tablet contains: Hydrochlorothiazide 25 mg.

BR-19-20

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Hydrochlorothiazid€

TABLETS, U.S.P.

Usual Dosage: See package in

CAUTION: Federal law prohibits dispensing without prescription.

BARR LABORATORIES, INC. NORTHVALE, N.J. 07647 ot No:

NDC 555-20-5 1000 TABLETS

Hydrochlorothiazid€

TABLETS. U.S.P

50mg.

Usual Dosage: See package inse CAUTION: Federal law prohibits dispensing without prescription.

BARR LABORATORIES, INC. NORTHVALE, N.J. 07647 Lot No